

R1

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-156423

(43)Date of publication of application : 22.06.1993

(51)Int.Cl.

C23C 10/56

C22C 14/00

C23C 24/08

(21)Application number : 03-342149

(71)Applicant : NIPPON KARORAIKU KOGYO KK

(22)Date of filing : 29.11.1991

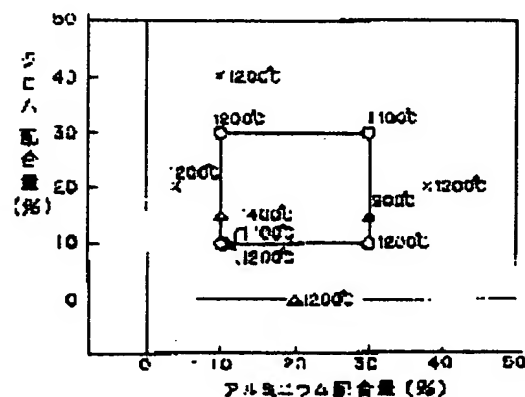
(72)Inventor : SHAMOTO HIROYUKI
MORIKAWA TAKASHI
YOSHIKAWA RIHEI
SUEYASU MASANOBU

(54) AL-CR COMPOSITE DIFFUSION COATING TREATING AGENT FOR TI ALLOY AND TREATMENT USING THE AGENT

(57)Abstract:

PURPOSE: To execute the Al-Cr composite diffusion coating treatment of a Ti alloy and to improve its oxidation resistance by constituting the above treating agent of specific wt.% of aluminum powder, chromium powder, ammonium chloride and the balance sintering-preventive powder.

CONSTITUTION: The Al-Cr composite diffusion coating treating agent for the Ti alloy is constituted, by weight %, of 10 to 30% aluminum powder, 10 to 30% chromium powder, 0.5 to 5% ammonium chloride and the balance the sintering-preventive powder. The Ti alloy is embedded into this treating agent and is heated at 1000 to 1300° C in a nonoxidative atmosphere, by which the Al-Cr diffusion coating layer is formed on the surface of the Ti alloy. Al-Cr alloy powder is compounded in place of a part or the whole of the aluminum powder or chromium powder. As a result, a precision polishing stage is simplified or saved.



	酸化防止剤	酸化防止剤
○	良	良
△	不	良
×	良	不
×	不	不

LEGAL STATUS

[Date of request for examination]

25.03.1997

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

BEST AVAILABLE COPY